

# Texas Perinatal HIV Prevention Epidemiologic Profile

## Public Health Region 7\*

### 1. Which counties define Public Health Region (PHR) 7?

#### Texas Public Health Regions

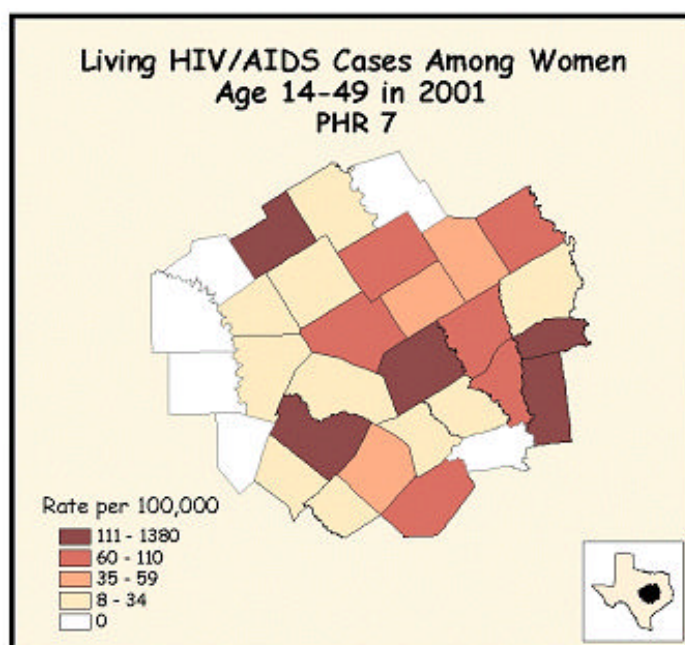
**Counties in PHR 7:** Bell, Milam, Williamson, Lee, Travis, Bastrop, Fayette, Washington, Hays, Caldwell, Burleson, Brazos, Grimes, Madison, Leon, Robertson, Leon, Freestone, Limestone, Hill, McLennan, Galls, Coryell, Lampasas, San Saba, Llano, Burnet, Blanco, Mills, Hamilton, Bosque.

### 2. How Many Living HIV Infected Women of Childbearing Age (13-49) are From Public Health Region 7?

#### Public Health Region 7 Living HIV/AIDS Cases Females Age 13-49 During Year

Living at End of Year	Public Health Region 7	Texas	PHR 7 Percentage of State
12/31/1999	339	3,519	10%
12/31/2000	454	4,844	9%
12/31/2001	550	6,243	9%

Database updated through January 22, 2002



### 3. How Many HIV Infected Women Give Birth in PHR 7?

- **38,696** residents gave birth in PHR 7 in 2000
- **0.47 per 1000** women giving birth in PHR 7 are HIV positive (1997 SCBW data) compared with **1.05 per 1000** in Texas as a whole
- About **18** HIV positive women gave birth in 2000 in PHR 7
- About **381** HIV positive women gave birth in Texas in 2000
- About **5%** of HIV positive women giving birth in Texas came from PHR 7, but **11%** of total Texas 2000 births were from PHR 7

### 4. What is the Racial/Ethnic Background of Women of Childbearing Age Living with HIV and AIDS in PHR 7?

#### Public Health Region 7

#### Race-Ethnicity of Living Female HIV/AIDS Cases Age 13-49

Living at End of Year	Race-Ethnicity								Total
	White		African American		Hispanic		Other/Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
12/31/1999	106	31%	186	55%	45	13%	2	1%	339
12/31/2000	142	31%	249	55%	60	13%	3	1%	454
12/31/2001	172	31%	292	53%	82	15%	4	1%	550

Database updated through January 22, 2002

## 5. How did Women of Childbearing Age Living with HIV and AIDS in PHR 7 Get Exposed to HIV? Through Intravenous Drug Use? Heterosexual Sex? Receipt of Blood Products? Unknown?

### Public Health Region 7

#### Mode of Exposure of Living Female HIV/AIDS Cases Age 13-49

Living At End of Year	Mode of Exposure										
	IDU		Blood/Blood Prod.		Heterosexual Sex		Pediatric		Not Classified		Total
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
12/31/1999	117	35%	2	1%	121	36%	2	1%	97	29%	<b>339</b>
12/31/2000	139	31%	5	1%	167	37%	3	1%	140	31%	<b>454</b>
12/31/2001	154	28%	10	2%	202	37%	4	1%	180	33%	<b>550</b>

Database updated through January 22, 2002

IDU= Intravenous drug use, injected non-prescription drugs

Heterosexual Sex=Female to male sex

Blood/ Blood Prod = Receipt of clotting factor or transfusion of blood/blood components

Pediatric=Cases reported when under age 13. Mode of pediatric exposure includes perinatal exposure, receipt of clotting factor, transfusion of blood/blood components, sexual contact with a male, sexual contact with a female, injected non-prescription drugs, not classified

## 6. How Many Women in PHR 7 Receive Prenatal Care?

- **81.1 %** of women from PHR 7 giving birth in 2000 started prenatal care within the first trimester compared with **78.8%** statewide
- **74.7%** of women from PHR 7 giving birth in 2000 started received adequate prenatal care based on the Kessner Index compared with **70.7%** statewide

## 7. How Many HIV Positive Women in PHR 7 Receive Prenatal Care?

*Data is not available specifically for PHR 7 however, data from the Pediatric Spectrum of HIV Disease (PSD) project site in Austin (1996-2001) shows:*

- **69.7%** of HIV positive mothers at the Austin PSD site received some prenatal care
- **71.2%** of the mothers at the Austin PSD site knew they were HIV positive prior to delivery
- Of those women receiving prenatal care, **87%** knew their HIV status prior to delivery
- Of those not receiving prenatal care, **67%** knew their HIV status prior to delivery

## 8. How Many Pregnant Women Get Tested for HIV in Texas?

8a. Data from a survey of 614 private Ob/Gyn providers in Texas (1997) show:

- **99%** of practices offered HIV testing to all their pregnant patients
- **96%** of practices included HIV testing in the routine panel of tests for pregnant patients
- More than 95% of practices reported that **10% or less** of the women refused the test when offered it; **73%** had no refusals in the past 6 months
- **89%** were aware of a Texas law requiring HIV testing of pregnant women unless patient refuses

8b. Data from Birth Certificates (year 2000) show:

- **91.7%** of women giving birth were tested for HIV either prenatally or perinatally in PHR 7 compared with **96.8%** statewide
- **90.5%** of women giving birth were tested in the prenatally in PHR 7 compared to **90.0%** statewide
- **72.0%** of women giving birth were tested perinatally in PHR 7 compared to **82.7%** statewide

## 9. How Many HIV Positive Pregnant Women Receive Antiretroviral Therapy in Texas and PHR 7?

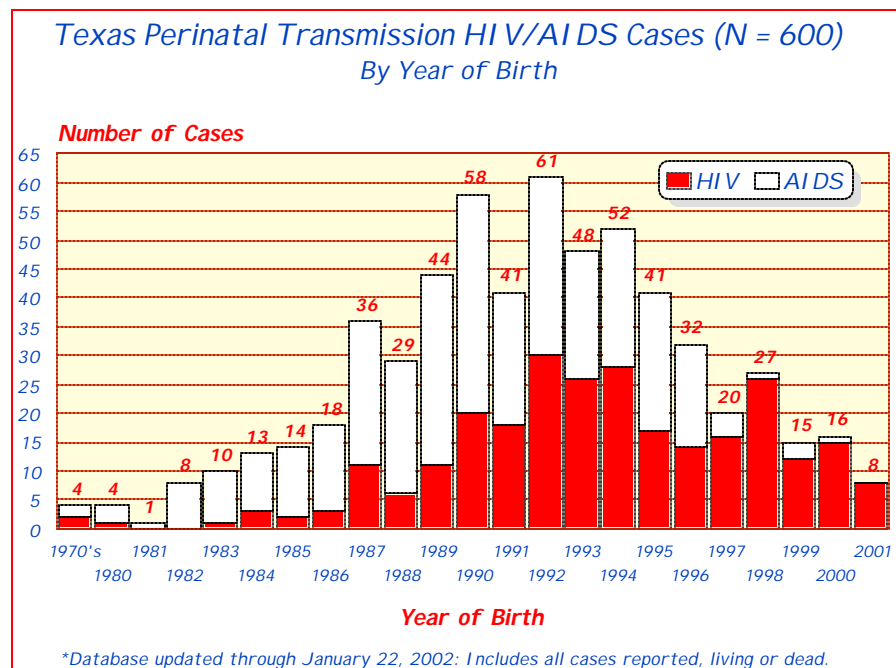
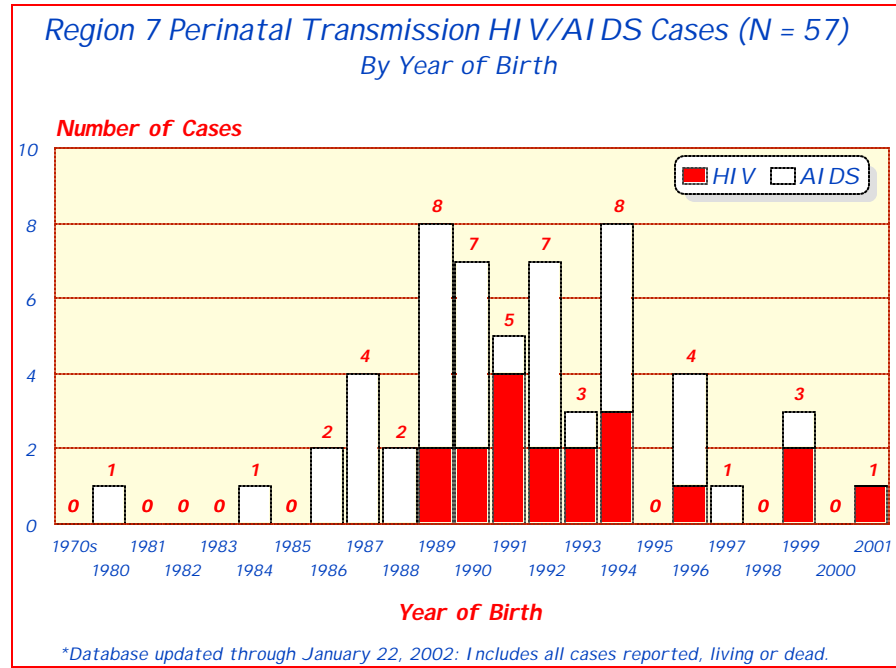
9a. Data from the Survey Of Childbearing Women show:

- In 1994, an estimated **23%** of women giving birth in Texas who tested positive for HIV also tested positive for ZDV (Zidovudine) at the time of their child's birth. This percentage rose to **59%** in 1995 and **62%** in 1997
- In 1997, **75%** of women giving birth in **PHR 7** who tested positive for HIV also tested positive for ZDV at the time of their child's birth

9b. Data from PSD of HIV positive Mother/Child Pairs (children born 1995-1998) reveal:

- **38%** received the full ACTC 076 protocol regimen
- **74%** received the prenatal component, **38%** the intrapartum component and **85%** received the neonatal component

# **10. How Many Children Have Been Reported as Infected Perinatally with HIV/AIDS in PHR 7 Compared with Texas as a Whole?**



**Note:** Cases born before 1989 were adults and adolescents (age 13+) at the beginning of 2002. Of all perinatal transmission cases, the number still alive for Region 7 is 33 and for Texas, 412.

## 11. What is the Perinatal Transmission Rate in PHR 7?

*No regional specific data is available for PHR 7, however, data from the Texas Pediatric Spectrum of HIV Disease (PSD) study show:*

- Perinatal transmission rates have dropped in Texas
- At all Texas PSD sites combined (Dallas, Houston, San Antonio, Austin, Galveston, El Paso), the perinatal HIV transmission rate was **13.9%** in 1996 and dropped to **4.0%** in 2001
- Perinatal HIV transmission rates of **<2%** have been documented in studies using combination antenatal antiretroviral drugs or with Zidovudine (ZDV) combined with cesarean section

**\*Data Notes:** Data are from Texas HIV/AIDS Reporting System (HARS) dataset through 01/22/02. Pediatric data is by year of diagnosis and only for the pediatric mode of exposure “Pedi Parent at Risk”, which includes all HIV positive parents. Percents may not equal to 100% due to rounding. Prevalence estimates are based on 1997 Survey of Childbearing Women (SCBW) HIV prevalence data. Pediatric Spectrum of Disease (PSD) Data is from three sites (Dallas, Houston and San Antonio) from 1995-1998 and from six sites (Dallas, Houston, San Antonio, Galveston, Austin and El Paso) from 1999-2001.

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